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CFR Reference	Summary of Changes to CFR
40 CFR 60.17	In § 60.17, revised paragraph (h)(177) to read as follows: § 60.17 Incorporations by reference. * * * * * (h) * * * (177) ASTM D6216–12, Standard Practice for Opacity Monitor Manufacturers to Certify Conformance with Design and Performance Specifications, approved October 1, 2012; IBR approved for appendix B to part 60. * 83 FR No. 220 (November 14, 2018) . Section 60.17 was amended by revising paragraph (g)(14) to read as follows: § 60.17 Incorporations by reference. * * * * * (g) * * * (14) ASME/ANSI PTC 19.10–1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus], (Issued August 31, 1981), IBR approved for §§ 60.56c(b), 60.63(f), 60.106(e), 60.104a(d), (h), (i), and (j), 60.105a(b), (d), (f), and (g), 60.106a(a), 60.107a(a), (c), and (d), tables 1 and 3 to subpart EEEE, tables 2 and 4 to subpart FFFF, table 2 to subpart JJJJ, §§ 60.285a(f), 60.4415(a), 60.2145(s) and (t), 60.2710(s), (t), and (w), 60.2730(q), 60.4900(b), 60.5220(b), tables 1 and 2 to subpart LLLL, tables 2 and 3 to subpart MMMM, §§ 60.5406(c), 60.5406a(c), 60.5407a(g), 60.5413(b), 60.5413a(b), and 60.5413a(d). 83 FR No.227 (November 26, 2018) Amended § 60.17 by: a. In paragraph (g)(14), by removing ‘‘60.2710(s), (t), and (w),’’and adding, it its place, ‘‘60.2710(s) and (t),’’; and b. In paragraph (h)(190), by removing ‘‘tables 1, 5,’’ and adding, in its place, ‘‘tables 5,’’. **84 FR No. 73 (April 16, 2019)**
40 CFR 60.48Da (f)	No Changes
40 CFR 60.61-60.64	No Changes
40 CFR 60.100a-60.107a	Section 60.105a was amended by revising paragraph (b)(2)(ii) to read as follows: § 60.105a Monitoring of emissions and operations for fluid catalytic cracking units (FCCU) and fluid coking units (FCU). * * * * * (b) * * * (2) * * * (ii) The owner or operator shall conduct performance evaluations of each CO2 and O2 monitor according to the requirements in § 60.13(c) and Performance Specification 3 of appendix B to this part. The owner or operator shall use Method 3, 3A or 3B of appendix A–2 to this part for conducting the relative accuracy evaluations. The method ANSI/ASME PTC 19.10–1981, ‘‘Flue and Exhaust Gas Analyses,’’ (incorporated by reference— see § 60.17) is an acceptable alternative to EPA Method 3B of appendix A–2 to part 60. * * * * * 4. Section 60.106a was amended by revising paragraph (a)(1)(iii) to read as follows: § 60.106a Monitoring of emissions and operations for sulfur recovery plants. (a) * * * (1) * * * (iii) The owner or operator shall conduct performance evaluations of each SO2 monitor according to the requirements in § 60.13(c) and Performance

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	Specification 2 of appendix B to part 60. The owner or operator shall use Method 6 or 6C of appendix A–4 to part 60. The method ANSI/ASME PTC 19.10–1981, ‘‘Flue and Exhaust Gas Analyses,’’ (incorporated by reference—see § 60.17) is an acceptable alternative to EPA Method 6. **83 FR No.227**
40 CFR 60.200; 60.201; 60.203; 60.205; 60.210; 62.211; 60.213 60.215; 60.223-60.225; 60.230; 60.233; 60.235; 60.243; 60.245.	No Change
60.332; 60.543; 60.562-1; 60.614; 60.643; 60.664.	No Change
40 CFR 60.2000-60.2265 (Subpart CCCC)	This action finalized amendments, which provide clarity and address implementation issues in the final commercial and industrial solid waste incineration (CISWI) NSPS and emission guidelines (EG), as well as correcting inconsistencies and errors in these provisions. **84 FR No. 73 (April 16, 2019)**
40 CFR 60.4300-60.4420 (Subpart KKKK)	No Change
40 CFR 60.5360-60.5499 (Subpart OOOO)	No Change
40 CFR 60.5360a-60.5499a (Subpart OOOOa)	No Change
40 CFR 60.5508-60.5580 (Subpart TTTT)	No Change

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40 CFR 60.5700-60.5880 (Subpart UUUU)	No Change
40 CFR 60. Appendix B	In appendix B to part 60, in ‘‘Performance Specification 2- Specifications and Test Procedures for SO2 and NOX Continuous Emission Monitoring Systems in Stationary Sources’’ remove sections 6.1.1.1, 6.1.1.2, 6.1.1.3, and 6.1.1.4. **82 FR No. 150 (August 7, 2017)** 11. In appendix B to part 60: ■ a. Add the following entries to the list of Performance Specifications in numeric order: ■ i. Performance Specification 12B— Specifications and Test Procedures for Monitoring Total Vapor Phase Mercury Emissions From Stationary Sources Using A Sorbent Trap Monitoring System ■ ii. Performance Specification 17 [Reserved] ■ iii. Performance Specification 18— Performance Specifications and Test Procedures for Gaseous Hydrogen Chloride (HCl) Continuous Emission Monitoring Systems at Stationary Sources ■ iv. PS–18—Appendix A Standard Addition Procedures ■ b. In Performance Specification 1, remove ‘‘D 6216–98’’ wherever it appears and add in its place ‘‘D6216–12’’, and revise section 2.1, the introductory text of section 13.0, sections 13.1 and 13.2, and paragraph 8. of section 16.0. **2.1** ASTM D6216–12 (incorporated by reference, see § 60.17) is the reference for design specifications, manufacturer’s performance specifications, and test procedures. The opacity monitor manufacturer must periodically select and test an opacity monitor, that is representative of a group of monitors produced during a specified period or lot, for conformance with the design specifications in ASTM D6216–12. The opacity monitor manufacturer must test each opacity monitor for conformance with the manufacturer’s performance specifications in ASTM D6216–12. Note: If the initial certification of the opacity monitor occurred before November 14, 2018 using D6216–98, D6216–03, or D6216–07, it is not necessary to recertify using D6216-12.

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	13.0 What Specifications Does a COMS Have to Meet for Certification? A COMS must meet the following design, manufacturer's performance, and field audit performance specifications: Note: If the initial certification of the opacity monitor occurred before November 14, 2018 using D6216–98, D6216–03, or D6216–07, it is not necessary to recertify using D6216–12.A. COMS must meet the following design, manufacturer's performance, and field audit performance specifications. **13.1** Design Specifications. The opacity monitoring equipment must comply with the design specifications of ASTM D6216–12. **13.2** Manufacturer's Performance Specifications. The opacity monitor must comply with the manufacturer's performance specifications of ASTM D6216–12. **16.0** * * * **8**. ASTM D6216–12: Standard Practice for Opacity Monitor Manufacturers to Certify Conformance with Design and Performance Specifications. ASTM. October 2012. ■ c. In Performance Specification 2, revise section 13.2. **13.2** Relative Accuracy Performance Specification. ■ d. In Performance Specification 3, revise sections 12.0 and 13.2. **12.0** Calculations and Data Analysis Calculate the RA using equations 3–1 and 3–2. Summarize the results on a data sheet similar to that shown in Figure 2.2 of PS2. **13.2** CEMS Relative Accuracy Performance Specification. The RA of the CEMS must be no greater than 20.0 percent of the mean value of the reference method (RM) data when calculated using equation 3–1. The results are also acceptable if the result of Equation 3–2 is less than or equal to 1.0 percent O2 (or CO2). ■ e. In Performance Specification 11, revise section 13.1. **13.1** What is the 7-day drift check performance specification? Your daily PM CEMS internal drift checks must demonstrate that the daily drift of your PM CEMS does not deviate from the value of the reference light, optical filter, Beta attenuation signal, or other technology-suitable reference standard by more than 2 percent of the response range. If your CEMS includes diluent and/or auxiliary monitors (for temperature, pressure, and/or

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moisture) that are employed as a necessary part of this performance specification, you must determine the calibration drift separately for each ancillary monitor in terms of its respective output (see the appropriate performance specification for the diluent CEMS specification). None of the calibration drifts may exceed their individual specification.

■ f. In Performance Specification 15, add reserved section 13.0.

13.0 Method Performance [Reserved]

■ g. In Performance Specification 18, revise section 11.8.7 and table 1 in section 17.0, and add reserved section 12.0 to PS–18.

11.8.7 The zero-level and mid-level CD for each day must be less than 5.0 percent of the span value as specified in section 13.2 of this PS. You must meet this criterion for 7 consecutive operating days.

TABLE 1—INTERFERENCE TEST GAS CONCENTRATIONS

Potential Interferent gas[1]	Approximate concentration (balance N_2)
CO_2	15% ± 1% CO_2.[2]
CO	100 ± 20 ppm.
CH_2O	20 ± 5 ppm.
CH_4	100 ± 20 ppm.
NH_3	10 ± 5 ppm (extractive CEMS only)
NO	250 ± 50 ppm.
SO_2	200 ± 20 ppm.
O_2	3% ± 1% O_2.[2]
H_2O	10 % ± 1% H_2O.[2]
N_2	Balance. [2]

[1]Any of these specific gases can be tested at a lower level if the manufacturer has provided reliable means for limiting or scrubbing that gas to a specified level in CEMS field installations.
[2]Gases for short path IP cell interference tests cannot be added above 100 percent stack equivalent concentration. Add these gases at the indicated percentages to make up the remaining cell volume.

12.0 [Reserved]
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